

AMENDMENTS TO THE SPECIFICATION

Page 6, please replace the second full paragraph with the following amended paragraph:

In accordance with the invention, the images of different sensitivities are produced simultaneously by means of an optical filter (Figures 8 and 13) which attenuates the radiation reaching various spatial regions of a sensor. Thus, referring to Figure 6, the TV camera of the invention comprises a lens 3 arranged to image a scene onto the image plane of an ICCD 5, at which the stripes of an optical filter 4 in contact with the ICCD, are in focus. Electrical circuit 6 processes the output of the ICCD, which is a video signal which simultaneously contains a low sensitivity and a high sensitivity representation of the scene being viewed. This encoded video signal is decoded in Decode Electronics 7 to produce a compressed image as in Figure 5.